



SEQUENCE LISTING

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DONEGAN, JAMES J.
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<120> NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING
COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE

<130> ENZ-53(D1)

<140> 08/978,633

<141> 1997-11-25

<150> 08/574,443

<151> 1995-12-15

<160> 63

<170> PatentIn Ver. 3.2

<210> 1

<211> 20

<212> PRT

<213> Influenza B virus

<400> 1

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1 5 10 15

Met Ile Ala Gly
20

<210> 2

<211> 20

<212> DNA

<213> Bacteriophage T7

<400> 2

tgctctctaa gggcttactc

20

<210> 3

<211> 15

<212> DNA

<213> Simian virus 40

<400> 3

ctctaaggta aatat

15

<210> 4
 <211> 16
 <212> DNA
 <213> Simian virus 40

<400> 4
 tgtatttttag attcaa 16

<210> 5
 <211> 19
 <212> DNA
 <213> Simian virus 40

<400> 5
 tgctctctaa ggtaaatat 19

<210> 6
 <211> 19
 <212> DNA
 <213> Simian virus 40

<400> 6
 tgtatttttag ggtctactc 19

<210> 7
 <211> 19
 <212> RNA
 <213> Bacteriophage T7

<400> 7
 ugcucucuaa gguaaaauau 19

<210> 8
 <211> 19
 <212> RNA
 <213> Bacteriophage T7

<400> 8
 uguauuuuag ggucuacuc 19

<210> 9
 <211> 20
 <212> RNA
 <213> Bacteriophage T7

<400> 9
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<210> 10
 <211> 49
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 10
 ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgc 49

<210> 11
 <211> 55
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 11
 gactagttgg tctcgtctct tttttggagg agtgtcgttc ttagcgatgt taatc 55

<210> 12
 <211> 46
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 12
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<210> 13
 <211> 33
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 13
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<210> 14
 <211> 33
 <212> DNA
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<220>
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<400> 14
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<210> 15
 <211> 27
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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 15
 gactagtcgt tacgcgaacg caaagtc 27

<210> 16
 <211> 36
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 16
 ggaattcgctc tctaaggtaa atataaaatt tttaag 36

<210> 17
 <211> 40
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 17
 gactagtcgt ctctgaccct aaaatacaca aacaattaga 40

<210> 18
 <211> 92
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18
 ggaattcgctc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60
 ctccctccaaa aaagagacga gaccaactag tc 92

<210> 19
 <211> 92
 <212> DNA
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<220>
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<400> 19
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<210> 20
 <211> 73
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 20
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ctcctccaaa aaa

73

<210> 21
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<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 21
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 agctcgagac gaattcc 77

<210> 22
 <211> 13
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<220>
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<400> 22
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<210> 23
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 23
 gagaaaggta aaattctctg acatcgaact ggc 33

<210> 24
 <211> 17
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 24
 tctccgagac gaattcc 17

<210> 25
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 25
ttccatttta agagactgta gcttgaccg

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<210> 26
<211> 106
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 26
ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60
ctcctccaaa aaagagaaaag gtaaaattct ctgacatcga actggc 106

<210> 27
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<212> DNA
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atgttaatcg tgtccatggt ggtagtcaga gctcgagacg aattcc 106

<210> 28
<211> 50
<212> DNA
<213> Bacteriophage T7

<400> 28
atggacacga ttaacatcgc taagaacgac ttctctgaca tcgaactggc 50

<210> 29
<211> 50
<212> DNA
<213> Bacteriophage T7

<400> 29
gccagttcga tgtcagagaa gtcgttctta gcgatgttaa tcgtgtccat 50

<210> 30
<211> 77
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 30
atggacacga ttaacatcgc taagaacgac actcctccaa aaaagagaaa ggtaaaattc 60
tctgacatcg aactggc 77

<210> 31
 <211> 77
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 31
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 atgttaatcg tgtccat 77

<210> 32
 <211> 69
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 32
 gatcattaga ccagatctga gcctgggagc tctctggcta actagggaac ccactgctta 60
 agcctcaag 69

<210> 33
 <211> 69
 <212> DNA
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<220>
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<400> 33
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 tgggtcta 69

<210> 34
 <211> 61
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 34
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 g 61

<210> 35
 <211> 61
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 35
 gatccttgag gaggtcttcg tcgctgtctc cgcttcttcc tgccatagga gagcctaagg 60
 t 61

<210> 36
 <211> 62
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 36
 gatcatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60
 ag 62

<210> 37
 <211> 62
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 37
 gatcctggga ggtgggtctg aaacgataat ggtgagtatc cctgcctaac tctattcact 60
 at 62

<210> 38
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 38
 aatctagagc taacaaagcc cgaaaggaag 30

<210> 39
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<400> 39
 ttctgcagat atagttcctc ctttcagc 28

<210> 40
 <211> 70
 <212> DNA
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<400> 40

tcgagccatg gcttaaggat ccgtacgtcc ggagctagcg ggcccatcga tactagttaa 60
atgcagatct 70

<210> 41

<211> 70

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 41

ctagagatct gcatttaact agtatcgatg ggcccgttag ctccggacgt acggatcctt 60
aagccatggc 70

<210> 42

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 42

catgaaatta attcgactca ctatacgga 29

<210> 43

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 43

gatctccgta tagtgagtcg aattaattt 29

<210> 44

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 44

gatccggatt gaggcttaag cagtgggttc cctagttagc cagagagctc ccaggctcag 60
atctggtcta at 72

<210> 45

<211> 72

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 45

ccggattaga ccagatctga gcctgggagc tctctggcta actagggaac ccactgctta 60
agcctcaatc cg 72

<210> 46

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 46

gatccggacc ttgaggaggt cttcgtcgct gtctccgctt cttcctgcca taggagagcc 60
taaggt 66

<210> 47

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 47

ccggacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60
ggtccg 66

<210> 48

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 48

gatccggatg ggaggtgggt ctgaaacgat aatggtgagt atccctgcct aactctattc 60
actat 65

<210> 49

<211> 65

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 49

ccggatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60
atccg 65

<210> 50
 <211> 67
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 50
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 gtattat 67

<210> 51
 <211> 67
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 51
 ccggataata cgactcacta tagggcgagc tcgggtaccg ggtctagagt cgacctgcag 60
 gcatgct 67

<210> 52
 <211> 12
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 52
 tttttttttt tt 12

<210> 53
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 53
 aaaaaaaaaa aaaaa 15

<210> 54
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 54

tttttttttt ttttt

15

<210> 55

<211> 20

<212> DNA

<213> Simian virus 40

<400> 55

gagtagaccc ttagagagca

20

<210> 56

<211> 15

<212> DNA

<213> Simian virus 40

<400> 56

gagattccat ttata

15

<210> 57

<211> 17

<212> DNA

<213> Simian virus 40

<400> 57

acataaaaat ctaagtt

17

<210> 58

<211> 19

<212> DNA

<213> Simian virus 40

<400> 58

tataaatgga atctctcgt

19

<210> 59

<211> 19

<212> DNA

<213> Simian virus 40

<400> 59

ctcatctggg attttatgt

19

<210> 60

<211> 164

<212> DNA

<213> Homo sapiens

<400> 60

atacttacct ggcaggggag ataccatgat cacgaagggtg gttttcccag ggcgaggctt 60
atccattgca ctccggatgt gctgaccctt gcgatttcgc caaatgtggg aaactcgact 120
gcataatttg tggtagtggg ggactgcgtt cgcgctttcc cctg 164

<210> 61

<211> 191

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic U1
construct with Anti-A

<400> 61

atacttacct ggcaggggag ataccatgat ccggattgag gcttaagcag tgggttccct 60
agttagccag agagctccca ggctcagatc tgggtgtaac cggatgtgct gaccctgcg 120
atttccccaa atgtgggaaa ctgcactgca taatttgagg tagtggggga ctgcgttcgc 180
gctttccct g 191

<210> 62

<211> 181

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic U1
construct with Anti-B

<400> 62

atacttacct ggcaggggag ataccatcgg accttgagga ggtcttcgtc gctgtctccg 60
cttcttcctg cgataggaga gcctaaggct cggatgtgct gaccctgcg atttccccaa 120
atgtgggaaa ctgcactgca taatttgagg tagtggggga ctgcgttcgc gctttccct 180
g 181

<210> 63

<211> 178

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic U1
construct with Anti-C

<400> 63

atacttacct ggcaggggag ataccatgat aatgggaggt gggctctgaaa cgataatggt 60
gagtatccct gcctaagtct attcactatc atgtgctgac ccctgcgagt tccccaaatg 120
tgggaaactc gactgcataa tttgtggtag tgggggactg cgccgcgct ttccctg 178